AMENDMENT TO THE CLAIMS

1. (Currently Amended) An apparatus, comprising:

a semiconductor die including active circuitry formed on a frontside and having a plurality of conductive through vias formed therein from the frontside to a backside, the die comprising a power requirement and an external signal requirement;

a plurality of first interconnects formed on a frontside of the die and a plurality of second interconnects formed on a backside of the die, respective ones of the plurality of second interconnects coupled to the plurality of through vias; and

a first package substrate electrically coupled to the plurality of first interconnects and a second package substrate electrically coupled to the plurality of second interconnects,

wherein a portion of at least one of the power requirement and the external signal requirement is supplied through the first package substrate ad and a remainder portion of at least one of the power requirement and the external signal requirement is supplied through the second package substrate.

- 2. (Original) The apparatus of claim 1, further comprising a first underfill layer between the front side of the die and the first substrate and a second underfill layer between the backside of the die and the second substrate.
- 3. (Original) The apparatus of claim 1, further comprising a substrate ball electrically coupled between the first and second substrates.
- 4. (Previously Presented) The apparatus of claim 1, wherein the plurality of the first interconnects and the plurality of the second interconnects comprise solder balls.
- 5. (Original) The apparatus of claim 1, wherein the semiconductor die is thinned using one selected from the group consisting of a backgrinding process, a chemical mechanical polishing (CMP) process, and a spin etching process.

- 6. (Original) The apparatus of claim 2, wherein the underfill layers comprise a no-flow underfill material.
- 7-9. (Canceled)
- 10. (Previously Presented) A method, comprising:

forming a plurality of conductive through vias in a back side of a semiconductor die including active circuitry on a frontside and coupling a plurality of first interconnects to respective ones of the plurality of through vias;

coupling a plurality of second interconnects to a frontside of the die; electrically coupling the plurality of first interconnects to a first substrate; and electrically coupling the plurality of second interconnects to a second substrate,

wherein a portion of at least one of a power requirement of the die and an external signal requirement of the die is supplied through the first substrate and a remainder portion of at least one of the power requirement and the external signal requirement is supplied through the second substrate.

- 11. (Previously Presented) The method of claim 10, wherein the plurality of through vias connect with the device side.
- 12. (Original) The method of claim 10, further comprising: dispensing a first underfill layer on the first package substrate; and dispensing a second underfill layer on the backside of the semiconductor die.
- 13. (Original) The method of claim 12, further comprising: attaching a substrate ball between the first and second package substrates.
- 14. (Previously Presented) The method of claim 10, wherein the plurality of first interconnects and the plurality of second interconnects comprise solder balls.
- 15. (Original) The method of claim 10, further comprising thinning the semiconductor die.

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(Original) The method of claim 10, wherein the first and second underfill layers 16. comprise a no-flow underfill.

17-21. (Canceled)

- (Previously Presented) An apparatus comprising: 22. a die including device circuitry on a first side and a second side opposite the front side; a plurality of contact points on the second side of the die; and a plurality of conductive through vias coupling the device circuitry to the contact points, wherein a portion of at least one of a power requirement and an external signal requirement of the die may be met through electrical connections to the contact points.
- (Previously Presented) The apparatus of claim 22, wherein the contact points comprise a 23. first set of contact points, the apparatus further comprising a second set of contact points on the first side of the die and coupled to the device circuitry, wherein a remainder portion of at least one of the power requirement and the external signal requirement of the die may be met through electrical connections to the contact points.

Respectfully submitted,

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